

1899

April 3 to Nov. 1

Texas & California

V.B.



117 Westminister

Carole Maltz

White Lake Co. Mich

Grand Rapids, Mich

Insurance expires Oct. 3
goods stored in room 427.
Mrs. Martinez San Diego

Field Notes

1899

Vernon Bailey

Dept. of Agl.
Washington, D.C.

1899

April 3,
Left Washington 9:20 P.M.
Norfolk & Western

April 4

Roanoke - daylight
Snowing hard, 2 in. on ground
Paluski, Breakfast 8

still snowing
Pinus strobus com
" *mitis*?

Tsuga - abundant
Pinus virginiana ? com.
Oaks
Ash
Maple
Birchwood

Bristol, Tennessee 11:30
Snow all gone
Locust

Eucalyptus
Junipers

Quite rolling & hilly
country, good farms
- orchards, some rocky

Johnson City
mostly clay soil, some
of the land is badly washed

Rogersville, Tenn.

shale, red clay soil
Morris town

limestone country -
numerous ponds, hollows
& sink holes.

Good farms
Knoxville lunch
red clay soil, winter
wheat looks good &
seems to be the main crop
Good saddle horses

Athens

Poor soil & pine

Charleston 4:19 PM

Plums in blossom
Peaches

Chicken nugget

Mississippi Ridge

Skinner's Bog
Mississippi
plant

Chattanooga
Super

Arundinaria a few
Liquidambar com
just before reaching
Chattanooga
dark

April 5

~~Mill town~~

Lumbertown, daylight

Pinus palustris

Magnolia glauca

u

Liquidambar

Cornus florida - in flower

Oaks - deciduous

Farther along

Zarodinium

Agalia - a few
in flower

Picea canadensis

Benton

Tillandsia a few

Palmetto

Zygadenus in flower

Live oaks

Cathartes aura 12

Shidell

Lake Ponchartraine

Muskrothouses, numerous
Quiscalus waerwae, com
Agelaius phoeniceus 1
Ceryle alcyon 2

New Orleans 8:20 AM
left 9. on S.P.

Raceland - 40 mi.

Sugar cane fields, marshes,
cypress swamps.

Shrikes, just at Houma
Cathartes aura, 5 on house & 2
on yard fence.
Bayou de l'Est

Morgan City

New Iberia

Lafayette 3 PM.

Rayne

Thermopsis 2 sp. abn.
all rice country

Memaurte au

a nice little town near a bayou
a hotel & good to work.

April 16 Lake Ponchartraine

Agelaius phoeniceus, abn. in field
Cathartes aura, 1 on house
Ceryle alcyon, 2 on pond
Sturnella magna, 1 on pond
Quiscalus waerwae, com
Agelaius phoeniceus, 1 on pond
Ceryle alcyon, 2 on pond
Sturnella magna, 1 on pond
Cathartes aura, 1 on house

April 16. Iowa Station

Quiscalus waerwae
Agelaius phoeniceus
Sturnella
Ammodramus
Cardinalis Piranga rubra
Cyanocitta
Colaptes auratus 2
Vireo
Turdus
Merula
Sialia sialis
Polioptila caerulea
Mimus polyglottus
Trochilus
Icterus spurius
Killdeer

Greater yellow legs

Lesser "

Cathartes aura

" atria

Corvus americanus

Ceryle alcyon

Tachycineta bicolor

Chelidon erythrogaster

Progne subis

Chimney swift

April 7. Iowa States

Ardea herodias 1

Bartramia semipalmata 3

Anthus 5

April 8

Little Blue Heron, 1 in trap

Icteria galbula

Quails 1/2

Oriobates villosus? 2

"

Colaptes auratus, digging nest hole

Vireo

Seiurus

Sitta pusilla

Mniotilta varia

Geothlypis trichas 2

" formicivorus

Spizella socialis

Turdus

Mounds - 2 to 4 feet high,
30 to 60 feet wide, 10 or 12
to an acre. all over prairie

Iowa Station, Ia.
April 8

Pinus palustris

Robinia

Blackberry

2 species

Thermopsis

"
Tradescantia

in flower

Castilleja

"
Spider lily

"
Coreopsis

"
Violets

3 sp. in flower

Oxalis

(yellow)

"
Grasses

numerous species

Falco sparverius

April 9 To Lake Charles
at Howard House

April 10

Left Lake Charles at 4:46 a.m.
Prairie, woods along streams,
Mounds everywhere

Orange

6

Georgy hills, near town

Taxodium in swamps

Liquidambar

Magnolia glauca

Pinus

?

Beaumont

Big prairie - 2 Georgys

Howard Lake

mostly prairie

Liberty

Gopher hills, abundant again
woody prairie west to

Houston

Georgy hills - a few

all prairie

Alvin

all prairie, glauca

Alta Loma

Virginia Pt.

Galveston

April 12 to Bolover

Quiscalus naevius
Agelaius phoeniceus
Sturnella
Icterus opacus
Ardea
Ardea (little blue heron)
Pyranga rubra
Otocoris
Ammodramus
Pooecetes 2
Passer domesticus
Bontrania
Greater yellow legs
Aelitis macularia 1
Tyrannus tyrannus 2
Tachycineta
Chelidon
Brown Pelicans 8
Gulls
Blue grasshopper
Myiarchus cinerascens
Willet, com
Cathartes aura
" *trata*
Melospiza forficatus

Bolover

mesquite? -

Acacia

Tam-cris

Lycium

Opuntia

China berry

Alnus

Plum

Plantago patagonica

Thornapple

Sisymbrium carniflorum

Opuntia vulgaris, yellow flower

Yucca

fig - 12 ft

April 12
Virginia Point, Tex.

Quiscalus vacrona com
Agelaius phoeniceus "
Sturnella neglecta, nest, 40
Icteria galbula
" *spurius*
Ammodramus
Otocoris
Harpachydus
Marsh wren, - short billed 1
Lanius 2
Scissor tail 1
Zenaidura 2
Bartramia abn.
Gulls
Chelidon
Thaenides bicolor
Piranga rubra com
Mimus polyglottis
Circus hudsonius 1

April 13
*Neuminius longirostris*²³
Cardinal's (1 Bay)

Willits
"Pipitot"

Thryothorus

14 *Empidonax*

" *Melospiza fasciata* =

Apr. 14

Night Hawk

April 15

Left Virginia Point 5:30

Hitchcock

Alta Lora

Houston - dark

April 12 -
Virginia Point
Ocotea peruviana

66

Bumelia lanuginosa

Amarpha fruticosa

Opuntia engelmanni

 \wedge

Xanthoxylum clava hircina

2

Pitrota

Schrankia

Populus monilifera

Virginia Paul To
Houston, Grand Central Hotel

Houston, left at 9:15 a.m.

5

live oak

phillas, e

Pinus tida

Lilkinsia

Liquidambar

Sistania

Alouatta palliata

Quercus nigra

"China berry"

"Figs."

"Meal berry"

Thompson's

Spider lithus

Mounds - Common

George

West of Baya

a flat premium for 6 months

with ~~no~~ ~~any~~ ~~no~~ ~~be~~ ~~and~~

Then words, & feelings

begin together

Fairy rings.

Baptista

"Cotton" the main crop.

Riverland

"Bananae" trees killed
Richmond

April 17 Richmond

Quiscalus g. aeneus

Sceloporus

Molothrus

Agelaius phoeniceus

Milvus forficatus

Mimus polyglottis

Sturnella

Zonotrichia

Progne subis

Chaetura pelagica

Trochilus

woodpecker

Cardinalis

Ammodramus

Zenaidura

Cathartes aura

atrata

Tyrannus Tyrannus

Chelidon

April 18

Trochilus

Harporhynchus

Vireo

Corvus

Buteo latissimus

Cyanocitta 1

Dendroica chrysoparia

Polyptila

Chondestes

Spiza americana - abund.

Bartramia longicauda

Mimus carolinensis

Passerina pisa

Icteria virens

Night Hawk

Phalaenoptilus

Barn Owl

Myiarchus cinerascens

Empidonax

Spizella

Calurus

Blue Grosbeak 2

Night Hawk

Cyrrenus nebulosus

Richmond Tx.
Celtis mississippiensis
Alnus crassifolia
" fulva?
Populus monilifera
Xanthoxylum clava herculis
Prinos juliflora
Acacia farnesiana
Sisbania cavanillesii
Ilex cassinea
Amaranthus
Argemone mexicana
Bulbocodium

Hicoria pecan
Crataegus 2
Smilax
Fraxinus white ash
Ilex decidua
Rhus glabra
Cornus not floridus
Morus
Zacnna radicans
Quercus palustris - pin oak
Ampelopsis
Bumelia
Schrunkia
Baptisia leucopharea
" sphaerocarpa.
Argemone platycornis
Tilia
Salix

April 22 Left Richmond 11 A.M.
Prairie - Black
Rosenburg
all prairie - live
Baptisia leucopharea
sphaerocarpa
Callirhoe
Pyrola
Krugia
Oenothera - sacred
Zygadenia

Proserpinaca
approaches by wet run.
Sisbania
Kudzu
Prairie 2 miles
Small stream with
Palmetto
Celtis
Alnus
Hicoria pecan
Robinia
prairie
a few wounds &
a few young

Hungerford
prairie
no wounds or flowers

a carpet of yellow, blue,
pink, orange
Timber on stream

Wharton

Colorado R.

Bottoms, timber, 3 mi.

Prairie again

Wackay

Prairie, mounds -

no Geomys

Pierre

Prairie - boundless,
gold + green but for
little dots of civilization

El Campo

Prairie - level, only grass
4 mi. mounds, Geomys
in one spot only.

Hillja no station

Louise - a change

(Stunted trees by river
Live oaks
dry soil, sandy loam -

Zovado - prairie - sandy
mounds + Geomys in
one field only.

Navadad R.

narrow timber strip

prairie

a few mounds + Geomys
in narrow strip -

Edra *Quisealus macrocha*

oak, live oak woods

sandy, Geomys abn.

prairie

river + scrub oak

prairie

Lucy Manassas Cr.

Prairie,

Geomys + mounds
in places

Wesatch prairie

Victoria

Quisealus macrocha

Peromyscus subflava, com

Cherax lat

Lepus merriami 2

Tyrannus tyrannus

all level prairie,

2 mounds + Geomys on both

Placido

Peromyscus subflava 6

Neotoma floridana

Icterus spurius

Ardea candidissima

Juncus

Bartonia, abn

Zevaidura

Sturnella
Circus
Buteo swainsoni
Dicksissi

Port La Vaca

Progne subis
Aegialitis vocifera, heard
Quiscalus macrourus
Mimus polyglottis
Otocoris
Zenaidura
Zonotrichia
Icteria virens
Vireo
Coot - 1 shot by hunter
Chondrostes 2
Buteo swainsoni
Willits

Mounds of another kind,
 small, long, or irregular, cover
 over half the surface, caused by
 drainage.

Port La Vaca, April 23

Acacia farnesii com
Sisbania "
Prosopis juliflora
Parkinsonia ~~agalypta~~ ^{agalypta} sam.
Xanthoxylum pterota com

Lycium abn
Condalia 3 *Buckthorn*, abn
Opuntia engelmannii "
Glossopitum? or *lycium* — "
Berberis trifoliata "
Opuntia vulgaris? "
 " *trifoliata?* com
Bumelia "
Celtis "
Condalia obovata?
Zizyphus

April 24
Port La Vaca. 9 am

Victoria 11 "
Groups abn.
Ridges near river est.
Prairie, rough, sandy.
Zenaidura - in thousands
Buteo swainsoni

Mesquery
Post oak country

Thomaston
still sandy. - ridges

Cuero
Mimus polyglottis
Cardinalis
Myiarchus
Agelaius naevius
aeneus

Zenaidura
Chondestes
Spizella
Melospiza lincolni
Cathartes aura
" atrata

Zonotrichia
Ammodramus
Myiarchus
Parus
Neumimus longirostris /

Cuero
April 25

Spizella
Spiza americana
Painted bunting
Tyrannus tyrannus
April 26

Myiarchus cinerascens
Spartrania
Caracara
Ammodramus
Melospiza erythrocephala
Sturnus vulgaris
Progne subis
Tachycineta bicolor
Chaetura pelagica
Psaltria cassinii
Lanius

Quero Texas 1891.
April 26

Ulmus crassifolia
" (mericanus?)

Platanus

Celtis occidentalis
" (mississippiensis?)

Morus

Quercus aquatica
" virginiana
" nigra

Fraxinus

Negundo

Bumelia

Quercus - big leaf

Grape

Hicoria pecan

"

scrubby

Opuntia engelmanni

"

"

arborescens

Mammillaria ~~texensis~~ haydeni

Cereus cespitosus

Echinocactus texensis

Yucca glauca

Grape

Cordyline

Ehretia obtusifolia

Schrankia

Cassia

Hoffmannseggia?

April 27

Left Quero 1:30

Scrub oak & prairie

Yokum

fine rolling prairie

Shiners

All rolling prairie

Lepus melanotis

" merriami 1 (Bray)

Flaetonia

enter scrub oak region

no mesquite or other desert
plants.

Wuldoor

West Point

Cyanocitta

nest 4

Zenaidura

Cardinalis

Ulmus pallasglottis

Icteria virens

Melanerpes erythrocephalus

Pipilo

Sturnus vulgaris

West Point

Quercus nigra

"

post oak

"

aquatica

Hicoria

Alnus crassifolia

"

Salix cassini

" *dicidua*

Platanus

Populus monilifera

Sapindus

Bumelia

Croton

Smilax

Tecoma

Rhus

Ampelopsis

Aster occidentalis

Grape

Blackberries 2

Morus rubra

Salix nigra

Salix

Quercus virginica

Sorbus alba

Schrankia

Phlox

Sisymbrium

Hicoria picea

Xanthoxylum clava-herculis

Vernonia

April 28

Left West Point 12:08

Quercus + SW.

Beautiful rolling prairie

Mesquite increasing

Cactus abundant

Westhoff

Opuntia suffruticosa

Phoradendron

Acacia

"

Range

Condylea

San Antonio River

Motomona

All cactus, mesquite,

Acacia, *Condylea*,

Passiflora

Diospiros mexicana

Kennedy

All mesquite

Karnes

Colomespiza

File

Quercus

Badger holes

Lippia lysichiton

Flouville

April 29 San Antonio
Prosopis juliflora
Condylea

Celtis

Berberis trifolia

Lippia lysioidea

Liaspira mexicana

Opuntia suffruticosa

" engelmanni

"

"

yellow plum

orange "

Quercus virginiana, a few.

Tillandsia

short

Echinocactus texensis

Yucca

big

Quercus

post oak

Ulmus crassifolia

Sisbania, not all dead.

Myrsine

San Antonio, April 29
Icterus spurius
Zenaidura
Cathartes aura

Heliodotis brunneicapillus

Spizella

Cardinalis

Mimus polyglottis

Vireo

Thryothorus bewickii 2

~~Chondestes~~

Piranga

2

Mocking bird nest in yucca

April 29,
 left San Antonio 4:30
 climbing, stony
 more open - dry
 Viva big hills, limestone
 Juglans
 Quercus

One less hills
 Canavara
 Van Roub 213
 Oak scrub - "shin oak"
 Juniper
 Rhus
 Cercis
 Coercus

Boarders wanted

Waring
 Cypress
 Elms
 Platanus
 Quercus virginiana
 Tillandsia
 Bridge
 town -
 Cypress on creek
 Kerrville

Kerrville

April 30

Catbates atrata com
 " aurea "

Lacy's Ranch - 12 mi.

April 30

Phalaropus
 Antrostomus

May 1 Lacy's

Zenaidura com
 Cardinalis com
 Ampelis cedrorum abn.
 Icteria "
 Icterus spurius "
 Vireo white-eyed
 " yellow throat com.
 " olivaceous com.
 " atricapillus com
 Spizella arizonae
 " pallida ?
 Chondestes abn.
 Geothlypis com
 Passerina cyanea com
 Cardinalis "
 Molothrus "
 Parus c. agilis "

Myiarchus cinerascens com
Empidonax 1
Pipilo arcticus 1
Dendroica chrysoparia com
Oriobates s. bairdi "
Progne subis "
Accipiter cooperii nest
Thryothorus carolinensis com

" *bairdi*
Xanthocephalus xanthocephalus 10
Polyptila caerulea com
Cinclus
Geothlypis trichas 1
 " *proserpinus* com
Petrochelidon nests
Sayornis phoebe + nest

May 2

Troglodytes 1
Regulus 1
Miniotilta varia com
Colinus v. texensis 2 com
Trochilus alexandri "
Catherpes
 Solitary sandpiper 1
Accipiter velox 1
Zonotrichia 1
Spinus mexicanus com
Bubo
Ardea

May 3

Spizella pallida
Parus atricapillus
~~*Passerina cyanea*~~
Helminthophila ruficapilla
Passerina cyanea
Sialia sialis 1 ♂

May 4

Buteo borealis
Cistothorus 1
Melospiza forficatus 2
Icterus bullocki a pair
Contopus virens com
Empidonax
Helminthophila c. lutescens
Mimus carolinensis
Pooecetes
Chaetura pelagica 1
 Night Hawk
Vireo altiloquus nest, 3 eggs

Dendroica aestiva
 Golden Eagle 2
Pueia
Parula warbler
Pipilo fuscus 1
Ammodramus

Lacey ranch

Quercus macrocarpa
" minor
" muhlenbergii
" virginiana
" texana
" durandii - basket oak
" aquatica
" nigra
" gambelii? shinoak
Juglans rupestris
" californica
~~Hippocastanea~~
Aesculus arguta
Lugardtia speciosa
Forsythia
Rhus copallina
" trilobata
" Toxicodendron
Juniperus
Cercis
Viburnum
Cornus
Vitis
Ulmus fulva
" crassifolia
Phorodendron
Hicoria pecan
Platanus
Prunus black cherry
" plum
Sophora affinis
Schrankia

Prosopis juliflora a few
Yucca glauca - (stricta?)
" elata
" rupicola
Dasylirion texanum ^{saw toothed}
Nolina texana, by diff
" "
Opuntia engelmannii
" big
Mammillaria vivipara
Cereus little
" phoeniceus
Rhus virens
Eriogonum
Eriogonum avarophoides
Rungia
Alnus occidentalis
Ceanothus
Rhamnus
Mimosa fragrans
Basswood

May 7 To Kerrville
 Melanerpes formicivorus 1
 Tyrannus tyrannus 1
 verticalis 1
 Falco sparverius 1

Kerrville, May 8

Ptila triphata mollis
 Cypress - com. old log
 5 ft in di. 400 years old.

May 9 1750
 Kerrville. ~~1525~~
 Callosopex
 Geococcyx

Divide 2350
~~2825~~

Friedrichsburg 26 mi
 1495

May 10
 Friedrichsburg 8 17500

20 mi - lunch 1200

Llano 45 mi.
 Southern Hotel - very bad.

Llano, May 11, 99.

Cathartes atrata com
" aura "
Caracara 1
Falco sparverius 1
Icterus bullocki 1
" spurius com
Vireo bellii "
Troglodytes alexandri 1
Mniotilta fusca com
~~Myiarchus cinerascens~~ "
Mniotilta fusca abn
Cardinalis "
Piranga rubra com
Chondestes, com. nests
Contopus virens ~
Parus atricristatus com
Spizella pallida "
Thryothorus s. bairdi
Passer domesticus
Actitis macularia 2
Melanochorus 1 ♂, yesterday
Dendroica s. bairdi
Sphyrapicus
Passerina ciris com
Petrochelidon
Night Hawk
Melanerpes carolinensis
Zenaidura com
Thryothorus

May 12 Llano

Amphispiza bilineata 3

Tarus agilis

Polioptila caerulea

Agelaius vociferus

Pipilo (aberti?) 1

Passer domesticus

14

Ceryle 2

Tyrannus tyrannus

Progne subis

Colinus virginianus

Llano, May 14.
Prosopis juliflora
Quercus nigra
 " *minors*
 " *virginiana*
 1
Ailanthus occidentalis + *miss.*
Sophora
Lycium texense *laquestrina*
Alcalia ramiflora
Bumelia
Diospiros
Zizyphus obtusifolia
Schrankia
Smilax bonerorum
Opuntia engelmannii
 " *orange flowered*
 " *dark colored*
 " *suffruticosa*
Cereus phoeniceus
 " *caespitosus* (lance spined)
Mammillaria vivipara
Yucca glauca stricta
 " *sticta* *trig*
Mimosa fragrans
Hicoria pumila
Ulmus crassifolia
Ptelea trifoliata
Fraxinus viridis?
Platanus
Salix nigra
Xanthoxylum
Phorodendron

Sophora
Berberis trifoliata
Helium attenuifolium *rodianum*
Argemone mexicana
Callarhoa
Linum
Minodora
Lupinus
Solanum 3
Phlox
Zilbusia recurvata, a little

May 16,
Left El Paso at 2:40

Burnett

May 17
Burnett

San Gabriel ridge 1454

- *Columus*
- *Cathartes* in town, heard
- *Cyanocitta*
- *Chordeiles* 2 on ground
- *Cardinalis* a few
- *Minimus* com
- *Zenaidura* "
- *Corvus americanus* "
- *Geococcyx* 1
- *Vireo altricapillus* heard
- *Cathartes aura* com
- *Catharista atrata* "
- *Tyrannus tyrannus* 6.
- *Sturnella magna* 4
- *Spiza americana* 2
- *Ammodramus* (grasshopper spars.) com.
- *Agelaius phoeniceus* 2
- *Icteria spumens* 2
- *Peucaea cassinii* a few
- *Sialia* 1

Burnett

- *Cathartes* 1 in town
- *Quiscalus albus*
- Goldthroat - dark

May 18

San Angelo

- Cardinalis* com.
- Minimus* "
- Zenaidura* "
- Actitis macularia* 2
- Melospiza* com
- Thryothorus bewicki bairdi* ?
- Coccyzus* heard
- Chondestes* nests, abn.
- Chordeiles*
- Melanerpes carolinensis* 2
- Buteo swainsoni* 1
- Cathartes aura* 1
- Agelaius vociferus* com.
- Molothrus* "
- Speotyto* "
- Progne subis* ✓
- Trochilus alexandri* 1

May 19

- Amphispiza* 1
- Calamospiza* big flock

May 18

San Angelo

Hicoria plean

Prasopis

Acacia remiana

Bumelia

Diospyros

Zizyphus

Lycium

Smilax bryanox

Yucca glauca

Argemone

Opuntia engelmanni

big

" suffruticosa

Tribulus maximus

Callarhoa

Ephedra antiphratica

Xanthoxylum

Mammillaria vivipara

Ailanthus occidentalis

Ungandia

Mimosa prorepens

Berberis hispida

Desmanthus virgatus (sensitivus)

Munadora

Thamnosia

Polygala alba

Schrankia

rose

white

Pitalostemon violacea

Nolina

1

Juniperus

a few

Gaura

Gerothera

3

Crameria

Aeschyladna

Evolvulus

Hustonia

Cereus cespitosus, a few

Echinocactus texensis 1

Salvia

Solanum

Cucurbit ~~sp~~ wiggartia

May 19

1800

Wt San Angelo 8

Calamospiza

Amphispiza bilineata

Icterus bullocki

Lanius

"If P.D. were called by right
name wouldn't be damned
me left" Stage Drive

Myiarchus cinerascens

May 20

Stirling

2400

Callipepla squamata 3

Corvus cryptoleucus 1

Otocoris 2

13 mi.

2650

Melospiza arizonensis 2

Dendroica g. baridi 2

Geococcyx 1

Calamospiza 2

Amphispiza

Lanius

Colorado

6

2400

Big Springs

8:30

2700

Prinos juliflora
Acacia ruscifolia
Mimosa frugifera
Bumelia
Juglans rupestris
Corypha
Quercus (blue leaved scrub
dense on buttes)

May 21,
Big Springs

Progne subis 40
Passer domesticus .
Chordeiles
Mimus
Pooecetes

May 22

Chordeiles
Calamospiza 50
Cathartes aura 4 nest
Amphispiza bilineata
Sayornis phoebe 1
Cardinalis 1
Corvus cryptoleucus 10
Passerina ciris
Zenaidura nest + yg.
Geothlypis trichas 1
Colinus texensis 2(?)
Melospiza forficatus 2
Icterus bullocki 1
Agelaius vociferus
Myiarchus cinerascens 1
Oreochelidon
Tyrannus verticalis 2
Callipepla s. castanogaster com
Buteo swainsoni

Big Springs

Prosopis juliflora abn.
Acacia rupestris
Mimosa fragrans
Juniperus
Berberis trifoliata
Zizyphus obtusifolia ?
Condalia obtusifolia
Microchloa ericoides
Koeberlinia
Rhus (microphylla)
Ephedra
Sapindus
Celtis
Yucca glauca
Opuntia engelmannii
" *astacensis*
" *suffruticosa*
Echinocactus tyronis
Atriplex canescens
Bumelia
Xanthoxylum
Larrea
Zyssaum
Argemone repens
Morus rubra
Sida peruviana

May 25
Colorado 8 2100

High prairie 2500
Colorado river 2400
2.5 mi.

May 26 Camp, 8, 2300

Bull Creek, 12, 2500

Gail + 2800

Lanius 1
Mitrospiza com
Myiarchus cinerascens 1
Mimus com
Chondestes "
Zenaidura "
Colinus s. castaneus
Agelaius vociferus "
Cardinalis 1
Spectator com
Quercus agrifolia "
Dendroica s. bairdi 1
Chordeiles com
Cathartes aura afm
Corvus cryptoleucus

30 miles

May 27 7:30, Corcoran
 Camp 2700
 First edge of plain 3050
 Top " 3100
 Otocoris a few
 Petrochelidon at pool
 Lunch 3100
 Spoonbills 3 } 3500
 Camp 6 PM
 8.5 mi.

May 28 7:30 am Camp 3300
 Fritia 2
 Archibuteo com
 Numenius longirostris 28
 Butor swainsoni, com
 Otocoris "
 Chardilus "
 Spizella "
 Corvus cryptoleuca "
 Colaptes c. costaricensis 1

Tahoe Lake 3100
 Top of prairie 3300

Lunch 3450
 end of P.D. country
 Prairie 3500

Lubbock 6 PM. 35 mi. 3500

May 28 Top of plains
 Prosopis juliflora, dwarf, scattered
 Aesclepias - big leaf - com
 Aesclepias
 Acaia white flowered
 few - dwarfed
 Gutierrezia - com
 Berlandiera "
 Yucca glauca, "
 Opuntia miss. "
 Echinocactus texensis

May 29
 Lubbock 8, 3300
 Otocoris com
 Pitychilidon "
 Mniotilta 1
 Minus 1
 Speotyto com
 Progne subis 2
 Chordeiles com
 Buteo swainsoni "
 Agelaius vociferus "
 Sturnella neglecta "

Camp 6 P.M., 2 mi. S.E. of
 Hart Center 3700

May 30 Camp 8 3650
 Hart Center "
 Sturnella com
 Callipepla 2

Running Water 11, 3750

Camp 6 3700
 35 mi.

Mniotilta cinerea 1
 Callipepla 2
 Agelaius vociferus com
 " montanus 1
 Xanthocephalus 18

Lubbock

May 31
 Camp, 7 am. 3800
 Agelaius montanus 2, 2 yf.
 Otocoris, abu. - nest 8 eggs
 Zonotrichia leucophrys 1
 High prairie 4850
 Creek valley 3950
 Canyon 4000
 Amarillo 4100

June 2 Amarillo
 Agelaius vociferus com
 " montanus 3
 Progne subis com
 Pitychilidon "
 Chordeiles "
 Minus a few.
 Speotyto 1
 Chondestes budding "
 Peucaea cassinii "
 Zonotrichia 2
 Zenaidura 2
 Otocoris abu.
 Passer domestica in towns.
 Sturnella neglecta com

Amarillo June 3

Yucca glauca, on side hills
 Acacia a few in gulch
 Ipomoea big com.
 Psoralea "
 Artemisia ludoviciana "
 " " "
 Guiterria "
 Grass "
 Convolvulus "
 Schrankia "

June 4 Taseasa

Tyrannus verticalis com
 " tyrannus 2
 Zenaidura abu
 Agelaius vociferans "
 Chondestes com
 Dendroica aestiva "
 Empidonax "
 Coereba "
 Icterus bullocki 1
 Minimus abu.
 Petrochelidon com
 Chelidon 1
 Lanius a family
 Rite 3+ nest
 Bubo 1
 Melanerpes erythrocephalus 1
 Striped Gophers 1
 Vireo olivaceus 1
 Zonotrichia 5
 5. Buto swainsoni 2
 Cathartes aura 1
 Myiarchus cinerascens (H) 2
 Geococcyx said to wear
 Calipha s. c. "
 Corvus "
 Pediculus "
 Anas boschas 1 ♂
 Agelaius phoeniceus 3
 Xanthocephalus 2
 Sturnella
 Fulica americana (H) 1

Zasaca June 6,

Populus monilifera com

Salix - a few trees

Celtis "

Juniperus on hills

Prosopis juliflora, a few

Acacia farnesiana "

Dalea pinnatifida "

" little herbaceous

" tall "

Artemisia filifolia? abn.

Gutierrezia? "

Yucca glauca "

Opuntia engelmannii? "

Cercus carolinensis a few

" "

Mammillaria vivipara a few

Opuntia davisi, a few

Psoralea

"

Abronia

Baccharis? abn

Rhus hirtata

Rosa

Polygala alba

Spartina

Elephantaria

Petalostemon

Anemone fruticosa

Glycerhiza

Plant Catalogue 1899

128 *Artemisia canadensis*?

Amarillo, Texas, June 3, 99

129 *Artemisia filifolia*

Zasaca, Tex. June 6

130 *Abronia fragrans*?

Zasaca, Tex. June 6.

131 *Dalea*

Zasaca, Tex. June 6

132 *Petalostemon*

Zasaca June 6

133 *Dalea*

Zasaca June 6

134 *Dalea Psoralea*

Zasaca June 6

135 *Chilopsis*

Roswell, N.M. (30 mi. W) June 16.

136 *Juglans rupestris*

Roswell, N.M. (40 mi. W) June 16

137 *Fallugia*

Roswell, N.M. (40 mi. W.) June 16, 99

138 *Quercus fendleri* shinnock

Roswell, 30 mi. W. June 16.

139 *Lycium*

Roswell, (30 mi. W.) June 16, 99

Plant Cat

140 *Quercus grisea* - ~~stul~~
Mt. Capitan, N.M. June 16.

141 *Quercus acuminata*
Mt. Capitan, N.M. June 16.

142 *Acacia*
Eddy, N.M. June 20

143 Ditch plant - aquatic

Eddy, N.M. June 20
Send name to Mr. Reed.

144 *Adenostoma*
Lee Caves, Calif. July 10

Plant Cat

June 7

Left Tascosa 5 A.M.

Opuntia arborescens

com in valleys

Quercus

Hesperis

Antelope 32

Portales 11:50

Otocoris

com

Sturnella

-

Speotyto

1

Minimus

com

Zenaidura

1

Petrochelidon

com + nests

Chondestes

com

Pooecetes

"

Agelaius

"

June 8

Pecos R.

Cathartes aura

1

Reswell

June 8 Reswell 3570 ft

Sturnella

com

Otocoris

4

Pooecetes

"

Agelaius phoeniceus

com

Agelaius vociferus

"

Minimus

"

Lanius

com

Tyrannus verticalis

com

Chelidon

"

Petrochelidon

"

Speotyto

"

Chondestes

"

¹⁰ *Chondestes*

1

Gaurica erubra

1

Zonotrichia

com. H.

Cathartes aura

2 H.

Coccyzus americanus

1

Sturnella neglecta

com

Buteo swainsoni

1

Circus

1 ♂

Icterus bullocki

1 ♂

Roswell, June 9

Asclepias jamesii

Prosopis juliflora

Condalia

Lysichiton

Atriplex canescens

Gutierrezia

Ephedra

Populus monilifera

Salix

Carya

Hoffmannseggia

Coccoloba

Sandbar

June 12

Lycium

Opuntia

Yucca

Yucca

Opuntia albicarpa

Opuntia engelmannii

Opuntia

Roswell, June 10

At burrowing owl hole

horse manure,

corn cobs, cow hairs,

cock feathers, charcoal,

calico, a child's wooden rattle,

tin, bones, rags, feathers,

hides,

June 12

Left Rensselaer

8:30

arrived - 3950
3510
380

Swamp

cutting

Creek

Chilodactylus

Zonitidae

Quercus

skin oak

Juniperus

Acacia

Alnus

Black ranch - 7.40 mi. 5500

June 13 - Camp 8, 5450

Yucca glauca

" baccata? small

Nolina

Juniperus occidentalis

Acacia

Juglans

Quercus

Prosopis

Rhus microphylla

" trilobata

Ribes cereum?

Gutierrezia

Opuntia arborescens

Fallugia

Gonolobus

Juniperus procumbens 6000

Oak trees

June 13 Black Ranch

Zenaidura

Chondestes

Chordeiles

Minimus

Trochilus

Pooecetes castaneus

Speotyto

Chelidon

Spirus alpestris 3

Tyrannus verticalis

Micropus cinereus

Sturnella

Celephus

Cathartes

Golden Eagle 2

Falco mex 1

Camp

Carpodacus

Sitta aculeata 3

" canadensis 1

Oriobates barrii

Melanerpes f. angustirostris abn.

Molothrus

Melospiza

Myiarchus cinerascens

Trochilus

Pipilo aberti

Aphelocoma

Spizella arizonae

Rancho 6400
Pinus ponderosa "
Cercocarpus 6300
Pinus edulis 6600
Pseudotsuga (- gulch) "
Camp 1 6600
Cercocarpus parryi 9000
Arctostaphylos "
Quercus muhlenbergii 6500

June 14 Camp 8. 6350
Quercus virginiana -8700
 " *minors* "
 " *pinus* 6500-6700
 " *durandii* 6800-1000
Arbutus 6400-7800
Juniperus occidentalis -6800
 " *pachyphloea* -8000^{SW}
Pinus edulis 6300-7400^S
 " *ponderosa* -8800^S
Pseudotsuga 6800-1000
Arctostaphylos 6800-8000^S
Arctostaphylos " -9300^S
Pachystima 7200^{NE}-9000
Pinus flexilis 7400^{NE}-1000
Abies " -1000
Populus tremuloides 8000- "
Physocarpus (nt) " - "
Spiraea 9900-1000
Acer glabrum 8000-1000
Cercocarpus -9000^S

Acacia -7800^S
Opuntia arborescens -7000^S
Haloxia - "
Opuntia engelmannii - "

June 14, up El Capitan
Camp - 8:30 6358

Sialia mexicana 1
Bubo heard
Megascops "

Parus gambeli 6800

Piranga ludoviciana 1 "

Vireo

Habia melanocephala 8000

Tamias

Colaptes melanoleucus

Tachycineta thalassina

Junco 9500

Dendroica auduboni 10000

Colaptes cafer 2 6500 - 8000

Psaltriparus 2

Pipilo arctus 2 7500

June 15

Sayornis 2

June 16 Camp 10. 6200

Dipodomys sp. - 6000

Onychomys leucogaster, 6000

Peromyscus sp. - "

" *pl.* - "

Citellus - "

Onychomys - 6000

Peromyscus 5500 -

Onychomys - 5500

Citellus - "

Citellus - "

Peromyscus - 6000

Onychomys - 8000

Peromyscus - 7000

Onychomys - 6000

Peromyscus - 6300

Onychomys - 5200

Citellus - "

Peromyscus - 5200

Onychomys - 5200

Peromyscus - 5200

Onychomys - 5200

Peromyscus - 5200

Onychomys - 5200

Peromyscus - 5200

Onychomys - 5200

Peromyscus - 5200

Onychomys - 5200

Peromyscus - 5200

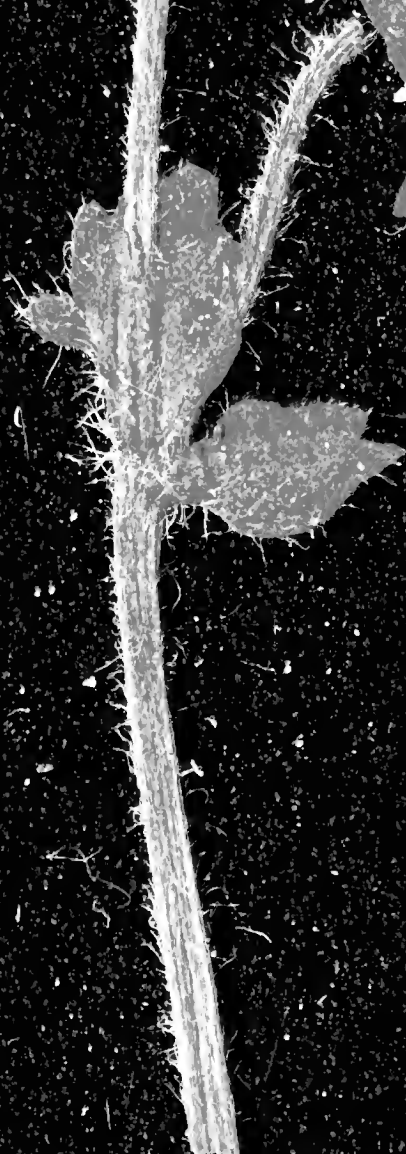
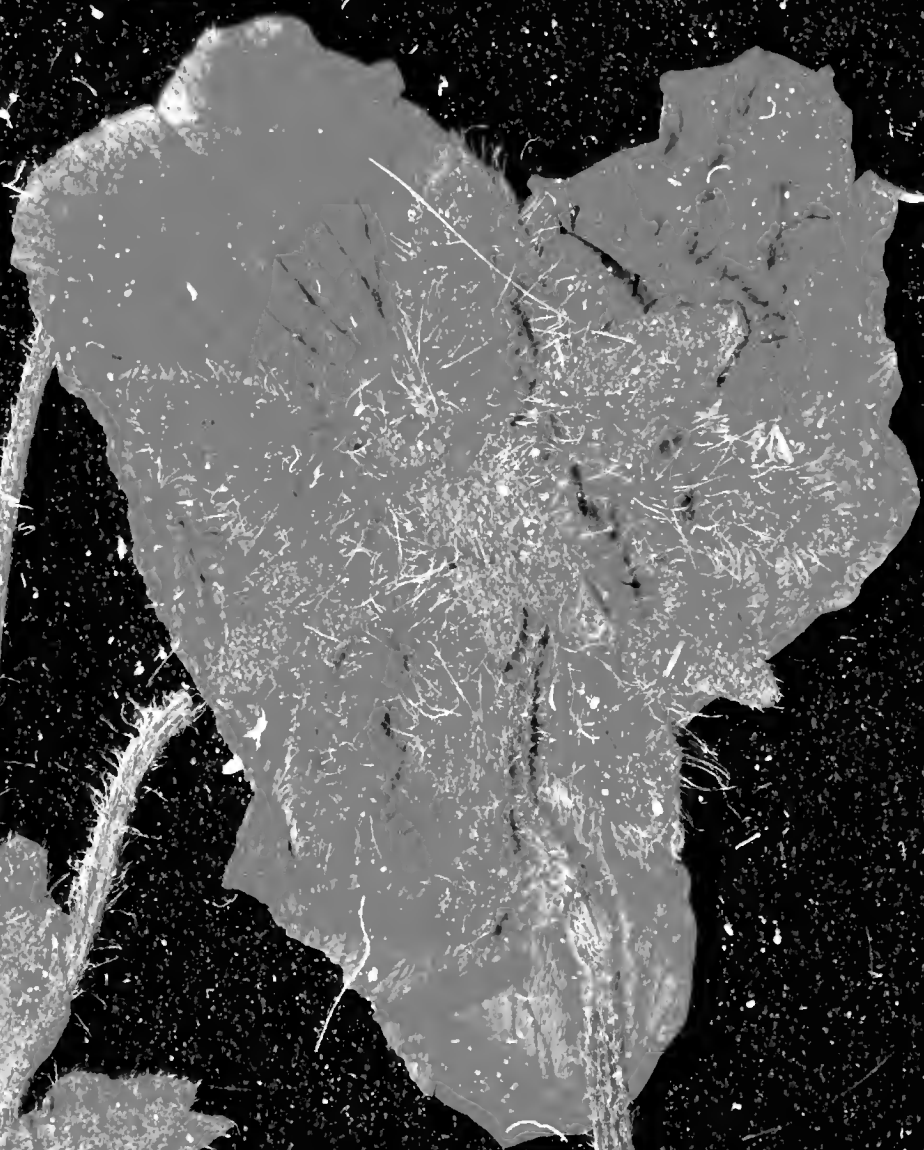
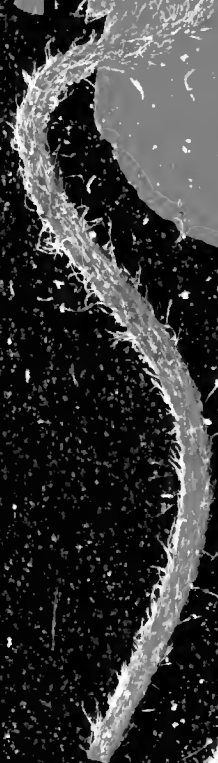
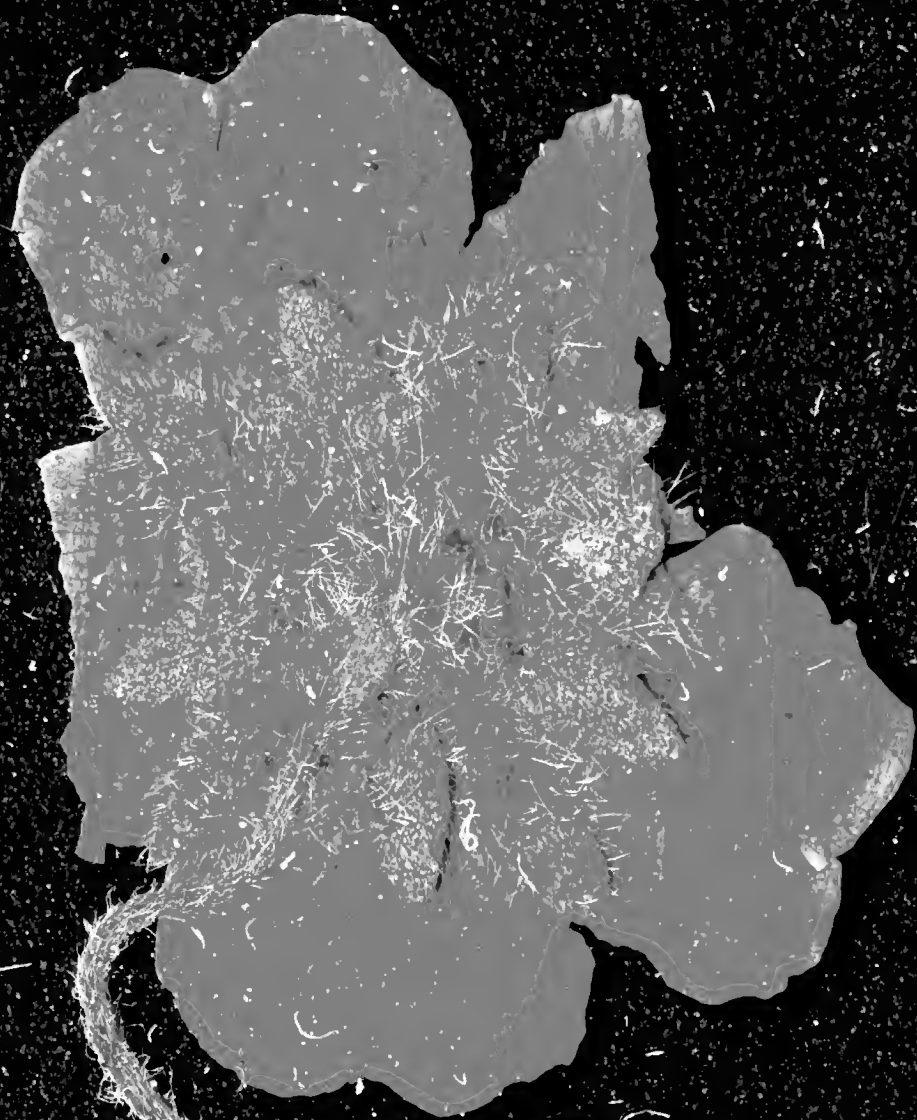
Onychomys - 5200

Peromyscus - 5200

Onychomys - 5200

Peromyscus - 5200

Onychomys - 5200



June 14 Up El Capitan
Camp - 8:30 6350

Sialia mexicana 1
Bubo heard
Megascops "

Parus gambeli 6800

Piranga ludoviciana 1 "

Vireo

Habia melanocephalus 8000

Tamias "

Colaptes melanerpes

Turdus

Dendroica auduboni 9500

Colaptes cafer 2 4500 - 8000

Picocorvus 2

Pipilo arctus 2 7500

June 15

Sayornis 2

June 16 Camp 10. 6200

Dipodomys sp. - 6000

Onychomys - 6000

Peromyscus - "

pl. - "

Circus - "

Accipiter - 6000

Acacia - 5500

fragrans - 5500

Chilodactylus - "

Celtis - "

Quercus glauca - 6000

+ pacifica - 7000

Robinia - 7000

Juglans - 6000

Shrub oak - 5300

Cedrus - 5200

Atriplex canescens - "

Gutierrezia

Amphispiza 2 - 5200

Leguminosae - 5200

Yucca - 5000

Camp on prairie 4950

June 17

Camp 6:30 4950

Larrea (15 mi out) 4500

Roswell 4050

Mammals - Pecos valley

Canis macrotis

Antilocapra

Ovis

Sciurus

Spermophilus macrourus

131. *pallidus*

spilosomus

Eutamias

Cynomys

Peromyscus

Onychomys

Neotoma 2

Thomomys

Geomys

Dipodomys spectabilis

Perodipus

Perognathus paradoxus
little

Lepus bechmani

" *tex*

Felis concolor

Lynx

Canis latrans

" *nubilus*

Ursus

June 18

Roswell, left 3:30 P.M.

actual altitude 3520

Hagerman train stop

Miller

McMillan

Eddy 3121

Atriplex canescens

" *lentiformis*?

Larrea

Acacia yellow

Prosopis subflorata

~~*Trachypogon*~~

Koeberlinia spinosa

Cordata obtusifolia

Prosopis puberula abn.

Procyon

Urocyon

Taxidea

Mephitis

Vulpes

Myctinomys

June 20

Eddy,

(Hig-

Xantho phala

Agelaius

Cardinalis

Icterus bullocki

Geococcyx

Agelaius vociferus

Chelidon

Petrochelidon

Progne subis

Symphoricarpos

Spoonbills?

Circus

Godwell

Coot

Zenaidura macroura

Ardea herodias

Mimus

Sturnella

Otocoris

Lanius

Avocet - reported

Zenaidura

Cathartes aura

June 20

To Pecos, Tex.

June 21

Pecos & Barstow.

Prosopis juliflora

Zinnia

Lissim

Atriplex canescens

Heliotropium

Holostachys

Suaeda

Yucca

Koeberlinia

~~Prosopis pubescens~~

Acacia constricta

July 7

Island in Tule Lake

Asteriscia tridentata

Bigelovia albicaulis

" *tortifolia*

Mentzelia grandiflora

Nicotiana

Calochortis gunnisoni

Koehnitzkia

Oreogarys membranacea

Reber cuneus

Escottzia

Lupinus

Grayia

Helianthus annuus

abu.

July 9

To Lee caves

Osprey 9 nests 4 mi. S of lake

Progne subis

Colaptes cafer

Melanerpes formicivorus

Picicorvus

Parus

Mimus

Tyrannus verticalis

Sialia arctica

25 mi.

July 10 Lee caves

4 hrs

Junco

Pinus ponderosa 4500-6750

Kunzia

Cercocarpus ledifolius

Caryophyllus

Asteriscia

Prunus

Chonotoma velutina - 6200

Abies M E 5100

Libocedrus

Arctostaphylos " " 6700

Pinus monophylla 4000

" *lambertiana* "

" *monticola* 6400-

Abies sibirica 6500-

Castanopsis

Arctostaphylos - nevadensis

Tsuga 7000

Summit 7500

Medicine Lake 6900

~~Return~~

Actitis macularia

Buffle heads

Sturnus pinus com

Sialia arctica, at west

Mimus

Colaptes cafer

Corpodacus coccineus

Sitta pygmaea

25 mi.

Ages June 24

Calipepla	com
Icterus bullocki	abn
Carpodacus	abn
Habia melanocephala	2
Sturnella	com
Petrochelidon	"
Tyrannus verticalis	"
Zenaidura, 3 nests,	"
Oegialitis	"
Sceloporus	"
Pipilo meq. or oregon, nest	"
Corvus	heard
Aphelocoma	com
Cathartes	"
Falco sparverius	2
Psittacus	a family
Parus	heard
Dendroagapus	com, heard 3800
Pipilo nest arctica, 2	5050
Junco	2
Piranga	2
Lanius	com
Passerina amoena	1
Pipilo aberti	+ nest
Melanerpes torquatus	3
Dendroica aestiva	1
Thryothorus	2
Colaptes cafer	
Chordeiles	

Ages

June 24 Station 2350

Croton sagittaria	
Utricularia	
Lupinus luteus	
"	big blue
"	little
Juniperus	
Quercus garriana	✓
Ceanothus intergerimus	✓
Bigelovia	
Prunus	
Amelanchier	
Cercocarpus parvifolius	✓
Kunzia	
Pinus ponderosa	ingulches 3300 ✓ open E. Slope 3800
Pseudotsuga	" " ✓
Garrus	
Rhus tox -	✓
Yarbsanta	
Ribes	
Phorodendron	
Quercus californica	E. 3800
Libocedrus	" ✓
Ceanothus divaricatus	
Top, L =	5050 ✓

June 28

Left Agee 2:30 P.m. 2400

Shovel Creek 6 2600

Melanerpes formicivorus com.

" *torquatus* "

Colaptes cafer 1

Merula propinqua com

Icteria virens

Melospiza montana 1

Night herons 3

Cyanocitta

20 mi.

June 29 Left Silver Lake 2600

Top of Canyon, Topsy 4100

Summit on Chicken hill 4400

Said to be (4700)

Dinner at Chases Ranch 3850

On highest ridge

Pinus ponderosa

" *monticola* , a few on ridge

Pseudotsuga

Abies

Libocedrus

Juniperus - on rocks at Top

Ceanothus intergericus W. side

" *velutinus* , E. side

" *prostratus* "

Pachystima

Prunus , chokecherries

" *serotina*

Quercus , W. side - 2

+ *taxinus* , W. side (37 mi.)

June 30

To Po Valley

Boranga

Magpies com

Cyanocapillus a few

finches com

Dry Prairie

Camp in woods - 50 mi.

July 1

Caseys Ranch.

Boranga

25 mi

July 2

to Klamath

25

Swan Lake Valley

July 3 Outfitted

July 4

Klamath

8 am

Po Valley

Tule Lake

34 miles

Lanius 3

Fish hawk, about 100 ^{saw} nests

said to be 500

2 eggs + 1 egg in nest

4 feet wide, 4 high, mostly

sage brush.

July 5 Carr's Ranch

<i>Pelecanus</i>	abn
<i>Acrocephalus</i> nests	com
<i>Podilymbus</i>	"
Eared grebe nests	"
Horned grebe ?	"
<i>Fulica</i> nests + yg.	abn
<i>Recurvirostra</i> yg.	com
Stilt	"
<i>Aegialitis vocifera</i>	"
<i>Ariditta exilis</i> nest + 2 yg.	1
<i>Ardea herodias</i>	3
Forstersteria, nests + yg.	com
<i>Hydrochelidon</i> nests	"
<i>Anas boschas</i>	"
" <i>discolor</i>	"
" <i>"cinnamomea"</i>	"
" <i>"gadwall"</i>	"
<i>Sturnatura rubida</i> nests	"
Scalp	"
Red head	"
<i>Phalacrocorax diolophos</i>	"
<i>Xanthocephalus</i> yg.	abn
<i>Sceloporus</i>	"
<i>Sturnella</i>	a few
<i>Agelaius phoeniceus</i>	1
<i>Cistothorus</i> nests + eggs	abn
<i>Ammodramus</i>	com
<i>Otocoris</i>	com.
<i>Petrochelidon</i>	abn
<i>Chelidon</i>	com

July 6

<i>Poecetes</i>	1
Glossy ibis H	1
<i>Botaurus lentiginosus</i>	1
<i>Zenaidura</i>	com
<i>Oreus</i>	1
<i>Geothlypis trichas</i>	1
<i>Antrocircus</i>	12

July 7 down E side of lake

<i>Buteo swainsoni</i>	1
<i>Oreoscoptes</i>	
<i>Chordeiles</i>	
<i>Sayornis</i>	2
<i>Spizella</i>	
<i>Falco sparverius</i>	1
<i>Tyrannus verticalis</i>	
<i>Sialia</i>	
<i>Icterus bullocki</i> yg. in nest	
<i>Melospiza</i>	com.
<i>Corvus</i> nests + yg.	
<i>Cathartes aura</i>	com.
<u>Winters Ranch</u> at peninsula	
<i>Carpodacus</i>	
<i>Falco mexicanus</i>	com
<i>Haliaetus leucocapillus</i>	1
<i>Larus californicus</i>	
"	
<i>Petrochelidon</i> thousands on island	

12 mi.

July 7

Island in Tule Lake

Artemisia tridentata

Bignonia albicaulis

" *tortifolia*

Mentzelia grandiflora

Nicotiana

Calochortis gunnisoni

Krinitzka

Oreogonops membranacea

Reber cuneus

"

Escallonia

Lupinus

Grayia

abu.

Helianthus annuus

July 9

To Ice caves

Osprey 9 nests 6 mi. S of lake

Progne subis

Colaptes cafer

Melanerpes formicivorus

Picicorvus

Parus

Merula

Tyrannus verticalis

Sialia arctica

25 mi.

July 10 Ice caves

4 hrs

Juniperus

Pinus ponderosa 4500-6700

Kunzia

Cercocarpus ledifolius

Chrysothamnus

Artemisia

Prunus

Ceanothus velutinus - 6200

Abies

N E

5100

Libocedrus

"

Arctostaphylos

"

6700

Pinus murrayana

4500

" *lambertiana*

"

" *monticola*

6400-

Abies sibirica

6500-

Castanopsis

"

Arctostaphylos - nevadensis

"

Tsuga

7000

Juniperus

7500

Medicine Lake

6900

~~Extinct~~

Actitis macularia

Buffle heads

6

Sturnus pinus

com

Sialia arctica, at nest.

Merula

Colaptes cafer

Corpodacus corax

Sitta pygmaea

25 mi.

July 11

Lee Caves to Mud Lake

Sitta pygmaea
Melanerpes formicivorus com
Oridotis bairdi 1
Colaptes cafer 3
Ethya riparia 1
Junco old + ya.
Sialia mex. 2
Sialia arctica com.
Myiarchus cinerascens 1
Tyrannus verticalis 2
Dendroica auduboni 2
Certhia 1
Buteo swainsoni 2
Falco sparverius 2
Cyanocitta com
Cyanocitta "
Aphelocoma
Spizella breweri com
Zenaidura "
Osprey 9 nests
Sturnella 1
Chordeiles com
Progne subis - 2 nests
Piranga ludoviciana, heard
Loxia
Carpodacus cassinii

Mud Lake

32 mi

July 12 Mud Lake

Pinus ponderosa
Juniperus
Cercocarpus ledifolius
Kunzia tridentata
Amelanchier
Artemisia tridentata
 " cava
Wyethia mollis
Baccharis sagittata
Chrysothamnus flavescens
Prunus - plum
 " chokecherry
 " cernuata
Ceanothus velutinus
 " prostratus
Arctostaphylos
Wyethia amplexicaulis
 Happy Camp
Abies concolor
Libocedrus
Quercus calif.
Artemisia tridentata
Carya
Dipodomys trachurus com

Big Valley

Lookout

28 mi.

July 14 Big Valley
Bieber 4600

Artemisia tridentata
" arbuscula
" cana
Bigelovia albicaulis
" toctipolia
Wyethia mollis
" amphicaulis
Balsamorhiza
Lupinus 2
Kunzia

Willow Creek 4800
Summit 1. - John Chase

Pinus ponderosa
" jeffreyi
Juniperus occidentalis
Cercocarpus ledolius
Quercus californicus, a few
Amelanchier
Salix
Pinus
Libocedrus
Populus tremuloides
" Trichocarpa
Cercocarpus betulifolia
Arctostaphylos uva-ursi
Coronilla velutina
" prastrata

Camp near Hayden Hill 5500
20 mi.

July 15

Colaptes cafer
Melanerpes torquatus
Sphyrapicus nuchalis
Xelopsius
Cyanocitta
Aphelocoma
Pipilo
Merula
Sialia mex
Spizella
Junco
Helminthophila c. lutescens
Troglodytes, a family
Psaltirius, " 8
Trochilus rufus, abn.
Falco sparverius, a family
Oreortyx montanus
Vireo g. swainsoni
Contopus richardsoni
Zenaidura
Passerella
" Carpodacus calif - 3
" caerulea 2
~~Scolecophagus~~

June 16 Camp 5150
 Hayden Hill 6000
 Chien, a pine
 Town of Hayden Hill 6200
 Sage plain
 Highest ridge 6400
 Rim of Grasshopper V. 6200
 Grasshopper Valley 5700
 Eagle Lake 5600
 Summit altitude 5150
 3 mi.

July 17
 To Susanville 25 mi.
Ceanothus diversifolius
Argemone platyceras
Croton
Nicotiana

July 20 Susanville 9

Pinus ponderosa
 - *jiffreyi*
Juniperus
Quercus calif.
Fraxinus
Cercocarpus ledifolius
Ononis - 3
Amelanchier
Wyethia mollis
Arctostaphylos uva-ursi
Sarcocolla
Ceanothus prostratus
 " *integerrimus*
Populus balsamifera
Libocedrus
Pseudotsuga
Abies lowiana
Populus tremuloides
 Camp 1 P.M. 5000
Pinus lambertiana 5100
Acer glabrum "
Ceanothus velutinus "
Castanopsis L. 6200
Arctostaphylos nevadensis L.
 Top of peak 6500
 12 mi.

July 21. Mt. Meadows 9

Pinus murrayana
Populus tremuloides

Camp - 12 M. at Spring.

Clear Creek

Piranga ludo. 7 yg.

Merula

Sialia arctica 9 yg.

Sphyrapicus in.

Dendroica

Colaptes cafer

Zenopsis - feeding yg.

Dendroica 1 2

Zenaidura

Falco sparverius

Buteo

Ceryle alcyon com

Indeludus

Contopus rich - com

Empidonax mostly

Contopus borealis

Tyrannus verticalis 2

Cyanocitta yg.

Perisoreus 2 seen

Geothlypis com

Zonotrichia "

Spizella breweri, in valley

" *arizonae*, a few.

Junco com

Passerella

Melospiza

Carpodacus cassinii, com

Sylvania pusilla

Spinus pinus 2

Helminthophila c. lutescens

Aedroica aestiva

Vireo swainsoni

Parus gambelli

Sitta

Chordeiles

Ceryle

Bubo - heard

Agelaius 1

Circus 1

July 24 Left Clear Creek.

All forest, no water, sheep

Burt Johnsons - Chester P.O.

Camped at noon. 9 mi.

July 25 Up Warner Creek
To Orades Hot Spring 18 mi.
5500, edge of Canadian 3m. E.

Pinus ponderosa - 5500^S
" *jeffreyi* 4200 - 6500^S
" *murrayana* 4200 - 7000
" *lambertiana* 4200 - 5500
" *monticola* 5500^E - 7000
Abies lowiana 4200 - 7000
" *slatensis* 5500^E - 7000^E
Lib. cedrus 4200 - 6000
Tsuga patoni 6500^{NE} - 9500^{NE}
Populus trichocarpa 4200 - 5500^E
" *trunoides* " - "
Alnus - 6000
Arctostaphylos patula - 5500^E
" *uva-ursi* 5500^E - 7000^E
Castanopsis chrysophylla - 6500^E
Eurecia "minor" 6000 - 7000^E
Symphoricarpos 5000 - 6000
Holodiscus 7000
Canadarraca nana 6000 -
Ceanothus velutinus ~~6000~~ 6000^S
" *intergrissimus* - 6000^S
" *prostratus* - "
Calceolaria "mariposa" 6000 - 7000
" *"minuta"* 7000
Dicentra 6000
Chimaphylla
Lonicera involucrata 5500 -
" *utahensis* ? "
Veratrum californicum 5500 - 7500

Lidum (microphylla) grandilobum 7000 - 8000
Salix 3
Bryanthus 7000^E - 8000
Tsuga 7000^E - 9500^S
Spiraea rosacea
Cytisus douglasii 6000
Colona grandiflora - "
Frittelaria
Horkelia fusca 4200 - 5500
Monardella odoratissima
Lilium washingtonianum 4500
" *parvum* 5500 -
Sambucus
Sorbus
Aconitum
Habenaria
Lupinus

July 27
Up trail - Top of ridge 6500
Lower edge Canadian 5000
Tsuga NE 6700 -
Lupinus ornatus " - 9000
Bryanthus " - 8000
Polygonum newberryi " -
Eriogonum imbricatum -
Spraguea umbellata
King's Creek 7000
Left horses 8000 -
Pinus albicaulis 8200 - 9000
Limbertinus, S. 9000
Dwarfed Hemlock - fine albicaulis 9500
Crumb Lake 7300

D lakes Hot Spr. 201 Lassen
July 26

Hyperoclea

Spinus pinus

Oriobates harrisi 1

Colaptes cafer

Merula

Turdus

com + yg
heard

Parus gambeli

Regulus satrapa 4 yg.

juv

Ceryle alcyon

Piranga lud. 2

Perisoreus

Vireo

Empidonax

Contopus rich

Myadestes townsendi 1

Melospiza montana nest + yg

Actitis macularia 2

Carpodacus cassinii com.

Chondestes

Oreateya + yg.

Cinclus (H)

Trochilus

Nucifraga

July 27 up mtn.

Pine grosbeak, ♀ 1 (H)

Down trail from Bumpus Hot Spr.
& Morgans on Mill Creek

Acer macrophylla SW - 5500

Quercus calif. 2 SW - 5500

Cornus ilice SW - 5500

Acer glabrum

Penstemon

Camp 5000 feet.

July 30,

Camp - Morgans

High ridge - 5500

Abies - big cones "

" *lancea* - "

Arctostaphylos nevadensis "

down grade to

Nanny Creek in

Battle Creek Meadows

Camp 12 5000

Sorex

July 21

5000 ft

Camp 8, down Batt's Cr.

Pinus ponderosa 4000-

" *murrayana* 5000-

" *lambertiana* 4200-

Abies grandis " -

" " -

Pseudotsuga 4500-

Libocedrus " -

Quercus calif. 4000 - 5500

Populus tremuloides 4500-

" *tricarpeus* " -

Acer macrophylla " -

Arctostaphylos uva-ursi " - 5500

Ceanothus velutinus 5000-

" *prostratus* " -

" *intergerimus* 4000-

Cornus nuttallii - 4500

Covatus "lilae" 4000-500

Quercus chrysolepis - 4200

" - 4000

Juniper " "

Arctos. patula " "

" *glauca* " "

Ceanothus divaricatus " "

Circis " "

Pinus sabiniana " "

Cercocarpus parvifolius " "

Phorodendron " "

Quercus lobata - 2500

" " "

Aesculus - 3000

Croton - "

Pteris ilicifolia - 4000

Fremontodendron - "

Cephalanthus

Aphelocoma - 4000

Psittacus - "

Melospiza vauri - "

Myiarchus cinerascens - "

Pipilo fuscus - "

Dipodomys - "

Calipepla - 3000

Carpodacus calif.

Redding

Parus inornatus

Aug 4. Redding
Shasta.

Pinus latifolia
" *attenuata*
" *ponderosa*
Quercus lobata
" " *" minor*"
" *chrysolepis*
" *virgiliana*
" *douglasii*
Arceuthobium
Cercocarpus diversicaulis
" *lilae*
" *integrifolius*?

Heteromeles

Fraxinus oregana
Quercus californica
Calocanthus

Cornus nuttallii
Ailanthus

Populus trichocarpa

Acer macrophylla

Pseudotsuga 1500-^{N.E.}

Cypripedium macrocarpum 1300-

Adiantum fasciculatum

Asplenium

Rachytia N.E. 3000-

Cornus sessilis

" *pubescens*

Linnaea N.E. gulch 3000-

20 mi.

Aug 5

Bully Chooch mts

Camp 10 am 2000

Taxus 2000-

Pinus lambertiana 3000-

Abies

Libocedrus 3300-^{N.E.}

Corylus 2000-

Arbutus " -

Quercus densiflora " -

Cornus sessilis 3000

Pachystima " -

Rubus nuttallii

Linnaea in gulch N.E. 3000-

Camp 3000
came 5 miles.

Aug 7, Camp. 3000

Summit 3400

Trinity River 2000

Weaverville 2200

Camp 2050

Asplenium circinatum

Quercus garryana

Pyrola rotundifolia

Rhamnus purshiana

25 mi.

Aug. 9

Waverilla

20.

2200

Diedrick

2500

22 mi.

Aug. 10 Camp. 9.

2500

up Canyon Creek

10 mi

Meadows

1 PM

4600

Camp.

~~4600~~
5750

Lake

4 mi.

5750

Ceryle alcyon 1

Falco sparverius

yanocitta

Horreobates barrii

Colaptes cafer

Oreospiza chlorurus

Melospiza lincolni 5600 ft

Carpodacus

Junco

Piranga ludo-

Merula

Turdus (W. skin)

Certhia

com.

Helminthophila c. lutescens (W. skin)

Parus

Geothlypis nelsoni

Winter wren

Vireo

Contopus borealis

Contopus richardsoni

Spinus pinus

Oreortyx plumifera, a family 6000 ft

Aug. 15 up to Lakes

Circus

Myiadestes townsendi

Passerina acuminata 1st 6700 ft

Troglodytes

1 6000 ft

²⁵Alcipiter velox

Phalaropus hyperboreus 1

Aug. 18 CHM. arrived

" 20

Aug. 23, Hig. + W.F. left.

Aug. 24, down to lower meadows
4 mi.

Aug. 27, To Diedrick - 8 mi.
To Junction 13 mi.

Aug. 28 to Hayfork 20 mi.

Aug. 29. to Post Ranch 12 mi.

Aug. 30

To South Fork

To Mad R. at Canada,

Camped on Hobart Cr. 15

Sep. 2 To Van Duzen R

Camped near mouth of Little Van
14 mi.

Sep. 3 To Bridgville 13 mi.

Sep. 4 to Hydreville 22 mi.
to Fernkale 10 mi.

Sep. 5 To Cape Town, 15

Sep. 6 To Petrolia &
Upper Matoli
staid at Roseco's

Sep. 7 To Briedland 30

Sep. 8 to Kunny, 27

Sep. 9 to Westport 30 +
to Laytonville 28.

Sep. 13 Laytonville to station on
Chenise Mtn. - 27 mi.

Sep. 14 to ~~Garb~~ Harris 14
to Garberville 15
4 miles N. of 4

Sep. 15 to 4 mi S. of Byersville 24
all along S. Fork Eel R.

Sep. 20 To Byersville 6
to Harris 33

Sep. 21, to Cummings
25 mi.

Sep. 22 to Laytonville 13 mi.

Sep. 23 to Corvallis, 28 mi.

Sep. 24 up Mtn. to Hog ranch
16 mi.

Sep. 25 to Govt Flat. 12 mi.
6250 ft.

Sep. 27, to Paskenta +
5 mi. beyond. 35 mi.

Sep. 28, to Red Bluff 27 mi.

Oct. 1 to Redding

Oct. 4 to Sisson

Calceanthus in flower near Sisson
C. intergrum in flower, Castella

Oct. 8+9 to San Francisco

Oct. 11 to Suisun

Oct. 12 to San Francisco +
Started home. 8. PM on 9th.

Oct. 14 Redding to Ashland. dark

Oct. 15 Salem - daylight
Portland, 9-2

The Dalles - dark

Oct. 16

Spokane -

To Colisell - dark

Oct. 17 Silby Junction, light
Ft. Buford - dark
all snow -

Oct. 18 Fargo
Elle River

Oct. 23, to St. Paul

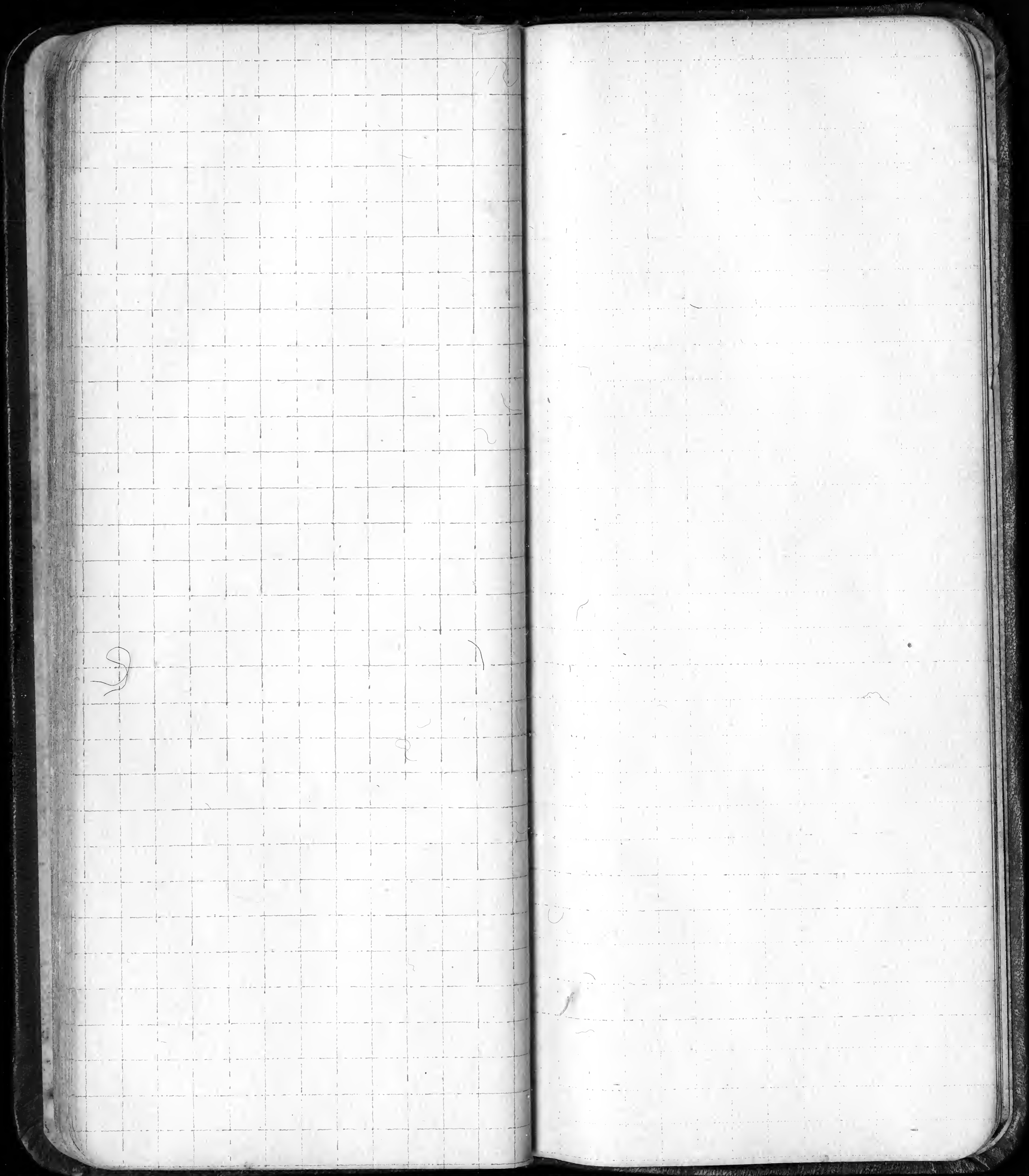
Oct. 24, Chicago

Oct. 25, to N. York

Oct. 26, to Loenst Grove

Oct. 29 to N. York

Nov. 1 to Washington





Outfit stored, Oct. 4, 99

With Dean + Watson

• Ridding, Calif.

5 packages, tent, chest,

Anderson saddle - outfit.

Dr. M. Whitman saddle in telescope

Jack Schinoff,

Manville, Calif. Oct. 5.

Jack, Harry, + Nell at

1.25 pr. wo. in pasture

Pack + riding saddle

1899 expenses

Jan.	43.65
Feb.	42.76
March	140.96
April	76.40
May	90.45
June	93.00
July	133.70
Aug.	65.25
Sept.	45.75
Oct.	148.50
Nov.	307.76
Dec.	437.97

Levi Spalding, Iowa, Ia.

L. J. Whately, Iowa, Ia.

Prop. Knapp +

Arthur Knapp

Lake Charles, Ia.

Jeff Dick

Levi Dick, near Galveston

J. S. McEahan, Richmond, Tex.

Miss Tilly

Bruce

Hence

Wuddy

C. C. Dyer, Richmond, Tex.

18 yr. old Cowboy

Dick Parrot, Dawson

Brazoria Co., Tex. for
bear trophies named Musk.

Dr. E. E. Palmer, Kerrville

Howard Lacy

Judge G. A. Richardson

Rowell, N.M.

W. G. Hamilton

John Richey

A. S. Joiner

J. Laimhart, Pecos, N.M.
wolf cub

A. S. Gato

Eddy, N.M.

Wm. M. Reed

T. G. Tracy

Arthur - Elliot - clerk -

Hutchinson, prop. of
Schultz Hotel

Judge Freeman, Eddy,
for Grizzley skulls

Judge Van Sicel

Alpine, Tex. for wolf skulls

Mrs. Dr. Brown

1212 Sutter St. San Francisco

Miss Adams -

335 S. Halstead St.
Hull House - Chicago

Dean & Watson

Redding, Calif. Outfit

Jake Schimpf

Marysville, Calif. Horses
pack + riding saddle.

G. A. Turner, photographer

26 Montgomery St. San Fran.

James Merriam

N York, 209 W 56 St.

C. L. Bagg

N York, 26, W 46

Transportation Orders, 1897.

No. 4901, Washington to
Lake Charles, La. Apr. 3, 97, \$34.05
West Point to Kerrville 5.90
Lampasas to San Angelo 5.15
Portales to Roswell 3.40
Eddy to Pecos 3.00
Roswell to Eddy 3.00
Pecos to ^{El Paso} ~~Agua~~, Calif. 6.40
El Paso to Sacramento 35.00
Sacramento to Ag- 9.90
105.95

Redding to Sisson 3.15
Sisson to San Francisco, 10.65
San Fran. to Chicago 62.50
Chicago to Washington 17.50
73.80

E. A. Goldman's youngest
brother at Delano, Calif.
with Mrs. Jacob Goldman

Turner - P. 266

Levi
20
for skin

up to land by 11.04, 14

Safety box 219

Higginson, R.R. bridge 125
via Essex, Mont.

Dec. 99 CHM 100.

Mr. J. R. McConnell
Quero, Tex.

Howard Lacey

J. Laischart, Portales
waist cut

Klamath 4186

Swan Lake 4270

J. A. Winter
Carmell, Calif.

D. L. Goldbach
Weaverville

The Spa

